

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	546	((264/513) or (264/537)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 09:36
S2	279	(264/513).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2002/12/31 14:55
S3	3	((264/513).CCLS.) and annular adj nozzle	US-PGPUB; USPAT	OR	ON	2002/12/31 11:35
S4	23	"4526821".URPN.	USPAT	OR	ON	2002/12/31 11:37
S5	279	(264/513).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2002/12/31 14:55
S6	27	((264/513).CCLS.) and concentric	US-PGPUB; USPAT	OR	ON	2002/12/31 15:00
S7	22	((264/513).CCLS.) and "same" near2 thickness	US-PGPUB; USPAT	OR	ON	2002/12/31 15:00
S8	1	("5823391").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/01/06 10:13
S9	85	"220"/\$.ccls. and toothpaste	US-PGPUB; USPAT	OR	ON	2003/01/06 10:13
S10	981	("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and toothpaste	US-PGPUB; USPAT	OR	ON	2003/01/06 10:14
S11	149	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and toothpaste) and (double-wall\$2 or double or multi-wall\$2)	US-PGPUB; USPAT	OR	ON	2003/01/06 10:14
S12	10	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and toothpaste) and "same" adj thickness	US-PGPUB; USPAT	OR	ON	2003/01/06 10:19
S13	15	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and toothpaste) and (double-wall\$2 or double or multi-wall\$2)) and blow	US-PGPUB; USPAT	OR	ON	2003/01/06 15:17
S14	981	("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and toothpaste	US-PGPUB; USPAT	OR	ON	2003/01/06 16:18
S15	82	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and toothpaste) and (micron or mil)	US-PGPUB; USPAT	OR	ON	2003/01/06 16:35
S16	0	((("20010040002").PN.) and micron	US-PGPUB; USPAT	OR	ON	2003/01/06 15:24
S17	1	("20010040002").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/01/06 16:23

## EAST Search History

S18	1911	"264"/\$.ccls. and injection and blow adj mold\$3	US-PGPUB; USPAT	OR	ON	2003/01/06 15:50
S19	179	("264"/\$.ccls. and injection and blow adj mold\$3) and (micron or mil) with thickness	US-PGPUB; USPAT	OR	ON	2003/01/06 15:51
S20	61	((("264"/\$.ccls. and injection and blow adj mold\$3) and (micron or mil) with thickness) and preform	US-PGPUB; USPAT	OR	ON	2003/01/06 15:51
S21	1026	("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and (toothpaste or dentifrice)	US-PGPUB; USPAT	OR	ON	2003/01/06 16:20
S22	388	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and (toothpaste or dentifrice)) and thickness	US-PGPUB; USPAT	OR	ON	2003/01/06 16:19
S23	0	((("20010040002").PN.) and mum	US-PGPUB; USPAT	OR	ON	2003/01/06 16:20
S24	0	((("20010040002").PN.) and "mu"	US-PGPUB; USPAT	OR	ON	2003/01/06 16:21
S25	0	((("20010040002").PN.) and "50" adj mu	US-PGPUB; USPAT	OR	ON	2003/01/06 16:21
S26	5	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and toothpaste) and mu	US-PGPUB; USPAT	OR	ON	2003/01/06 16:23
S27	1	((("20010040002").PN.) and mu\$2	US-PGPUB; USPAT	OR	ON	2003/01/06 16:31
S28	1	((("20010040002").PN.) and mu?m	US-PGPUB; USPAT	OR	ON	2003/01/06 16:33
S29	30	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and (toothpaste or dentifrice)) and (mu?m or mu)	US-PGPUB; USPAT	OR	ON	2003/01/07 08:34
S30	310	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and (toothpaste or dentifrice)) and thickness) not (((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and (toothpaste or dentifrice)) and (mu?m or mu)) not (((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and toothpaste) and (micron or mil))	US-PGPUB; USPAT	OR	ON	2003/01/07 08:19
S31	141	((("220"/\$.ccls. or "222"/\$.ccls. or "264"/\$.ccls.) and (toothpaste or dentifrice)) and thickness	USOCR	OR	ON	2003/01/07 08:34
S32	889	(222/107).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/01/07 08:42
S33	87	((222/107).CCLS.) and (mu or mil or mu?m or micron)	US-PGPUB; USPAT	OR	ON	2003/01/07 08:43

## EAST Search History

S34	280	(264/513).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/01/07 10:11
S35	89	(264/513).CCLS.	USOCR; EPO; JPO; DERWENT	OR	OFF	2003/01/07 10:11
S36	4	((264/513).CCLS.) and annular	EPO; JPO; DERWENT	OR	ON	2003/01/07 10:12
S37	0	((264/513).CCLS.) and concentric	EPO; JPO; DERWENT	OR	ON	2003/01/07 10:13
S38	8	((264/513).CCLS.) and nozzle	EPO; JPO; DERWENT	OR	ON	2003/01/07 10:13
S39	405	(264/515).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 15:06
S40	292	(264/513).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/17 18:55
S41	89	(264/513).CCLS.	USOCR; EPO; JPO; DERWENT	OR	OFF	2003/07/17 19:36
S42	24	musser-\$.xa. and injection	US-PGPUB; USPAT	OR	ON	2003/07/17 19:09
S43	134	(264/515).CCLS.	USOCR; JPO	OR	OFF	2003/07/17 19:14
S44	2	ep-537346-\$.did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/07/17 19:15
S45	1	ep-374247-\$.did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/07/17 19:16
S46	1	("5030077").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/17 19:20
S47	781	(425/130).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/17 19:20
S48	889	(264/328.8).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/17 19:25

## EAST Search History

S49	15	("4717324"   "4749554"   "4808101"   "4895504"   "4934915"   "4990301"   "5032341"   "5049345"   "5098274"   "5131830"   "5141695"   "5914138"   "5935615"   "5935616"   "5972258").PN.	USPAT	OR	ON	2003/07/17 19:26
S50	12	("3921856"   "3947175"   "3947177"   "3972664"   "3976226"   "4035466"   "4052497"   "4078875"   "4117955"   "4174413"   "4315724"   "4376625").PN.	USPAT	OR	ON	2003/07/17 19:27
S51	43	("264"/\$.ccls. or "425"/\$.ccls.) and blow adj molding.ti. and multi-layer	US-PGPUB; USPAT	OR	ON	2003/07/17 19:57
S52	1	("20020108701").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/17 20:00
S53	1	("20020079284").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/17 20:00
S54	1551	((264/328.8) or (425/130)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 15:05
S55	885	((((264/328.8) or (425/130)).CCLS.) and (@rlad<"19960430" or @ad<"19960430"))	US-PGPUB; USPAT	OR	ON	2003/07/21 15:43
S56	17	((((264/328.8) or (425/130)).CCLS.) and (@rlad<"19960430" or @ad<"19960430")) and "same" adj plane	US-PGPUB; USPAT	OR	ON	2003/07/21 18:41
S57	17	((((264/328.8) or (425/130)).CCLS.) and (@rlad<"19960430" or @ad<"19960430")) and coextru\$4	US-PGPUB; USPAT	OR	ON	2003/07/21 18:41
S58	2	("4174413"   "4525134").PN.	USPAT	OR	ON	2003/07/22 07:42
S59	16	"5141695".URPN.	USPAT	OR	ON	2003/07/22 07:43
S60	15	("4717324"   "4749554"   "4808101"   "4895504"   "4934915"   "4990301"   "5032341"   "5049345"   "5098274"   "5131830"   "5141695"   "5914138"   "5935615"   "5935616"   "5972258").PN.	USPAT	OR	ON	2003/07/22 07:44
S61	1	"6350401".URPN.	USPAT	OR	ON	2003/07/22 08:13
S62	1	("4347050").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 13:36
S63	8	("2808617"   "3266092"   "3837773"   "4087222"   "4137027"   "4316710"   "4347050"   "4499041").PN.	USPAT	OR	ON	2003/07/22 13:34

## EAST Search History

S64	570	(425/133.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 13:51
S65	0	b29c049-06.ipc. and b29c049/22.ipc.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/22 13:52
S66	219	b29c049/06.ipc. and b29c049/22.ipc.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/07/22 13:52
S67	1	("2710987").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 14:17
S68	22	"2710987".URPN.	USPAT	OR	ON	2003/07/22 14:12
S69	6	("2710987"   "3457337"   "3561629"   "3847728"   "3869056"   "3892828"). PN.	USPAT	OR	ON	2003/07/22 14:14
S70	61	"4079850".URPN.	USPAT	OR	ON	2003/07/22 14:14
S71	7	((("1002955") or ("1770335") or ("2283751") or ("2317763") or ("2339114") or ("2443053") or ("2562523")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 14:27
S72	4	"2339114".URPN.	USPAT	OR	ON	2003/07/22 14:18
S73	1	("5202074").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 14:28
S74	1	("3716612").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 14:31
S75	2	ep-537346-\$.did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/07/22 14:33
S76	1	ep-374247-\$.did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/07/22 14:34
S77	2	ep-325440-\$.did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/07/22 14:34
S78	512	((425/533) or (425/523)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 15:05

## EAST Search History

S79	1553	((264/328.8) or (425/130)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 15:05
S80	491	((((425/533) or (425/523)).CCLS.) not (((264/328.8) or (425/130)).CCLS.))	US-PGPUB; USPAT	OR	ON	2003/07/22 15:05
S81	653	((264/515) or (264/513)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 15:07
S82	292	(264/513).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/22 15:07
S83	253	((264/513).CCLS.) not (((264/328.8) or (425/130)).CCLS.)	US-PGPUB; USPAT	OR	ON	2003/07/22 15:08
S84	1	("6702978").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 16:49
S85	17	("2562523"   "2710987"   "3337666"   "3855380"   "4011968"   "4397808"   "4526821"   "5407629"   "5511686"   "5674448"   "5688570"   "5816451"   "5823391"   "5888598").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/12 16:51
S86	1	("5816451").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/12 16:51
S87	5318	((264/513) or (264/537) or (264/515) or (222/107) or (264/328.8) or (425/133.1) or (425/130)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 16:54
S88	164	S87 and toothpaste	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/12 16:54
S89	3904	((264/513) or (264/537) or (264/515) or (264/328.8) or (425/133.1) or (425/130)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/12 16:56
S90	6	S89 and toothpaste	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/12 16:56
S91	833	((264/513) or (264/537) or (264/515) or (264/328.8) or (425/133.1) or (425/130)).CCLS.	EPO; JPO; DERWENT	OR	OFF	2006/01/19 14:11
S92	0	S91 and toothpaste	EPO; JPO; DERWENT	OR	ON	2006/01/12 16:57
S93	7	injection adj mold\$3 and toothpaste	EPO; JPO; DERWENT	OR	ON	2006/01/12 17:00
S94	1	ep-199633-\$.did.	EPO; JPO; DERWENT	OR	ON	2006/01/12 17:00
S95	1	("4743479").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/12 17:00

## EAST Search History

S96	833	((264/513) or (264/537) or (264/515) or (264/328.8) or (425/133.1) or (425/130)).CCLS.	EPO; JPO; DERWENT	OR	OFF	2006/01/19 14:11
S97	0	S96 and (cream or lotion)	US-PGPUB; USPAT	OR	ON	2006/01/19 14:11
S98	15211	inject\$3 and mold\$3 and (cream or lotion or cosmetics)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:11
S99	455	inject\$3 and mold\$3 and (cream or lotion or cosmetics)	EPO; JPO; DERWENT	OR	ON	2006/01/19 14:12
S100	428	inject\$3 with mold\$3 and (cream or lotion or cosmetics)	EPO; JPO; DERWENT	OR	ON	2006/01/19 14:12
S101	106	S100 and (blow\$3 or expan\$3 or biaxial\$2)	EPO; JPO; DERWENT	OR	ON	2006/01/19 14:12
S102	110	S100 and (blow\$3 or expan\$5 or biaxial\$2)	EPO; JPO; DERWENT	OR	ON	2006/01/19 14:33
S103	24544	inject\$3 same blow\$3 same mold\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:34
S104	9030	S103 and (cut or cutting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:35
S105	4710	S104 and (filling or filled or fill)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:34
S106	22304	inject\$3 same blow\$3 with mold\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:34
S107	8116	S106 and (cut or cutting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:35
S108	941	S106 and (cut or cutting) same (fill or filled or filling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 15:08

## EAST Search History

S10 9	550	S108 and (@riad<"19961231" or @ad<"19961231" or @pd<"19961231")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 14:36
S11 0	134	S109 and (soda or cosmetics or lotion or cream or toothpaste or drink)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 15:07
S11 1	2	("5988443").URPN.	USPAT	OR	ON	2006/01/19 14:39
S11 2	42	("1547759"   "2491406"   "3191814"   "3263871"   "3288334"   "3358062"   "3596808"   "3923250"   "3934763"   "3940029"   "3955720"   "4154374"   "4174052"   "4193551"   "4216883"   "4344744"   "4345691"   "4434916"   "4479589"   "4510115"   "4591076"   "4685594"   "4692103"   "4747517"   "4790117"   "4854484"   "4941599"   "5004123"   "5011046"   "5064102"   "5083683"   "5102018"   "5163588"   "5183185"   "5183188"   "5687878").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/19 14:41
S11 3	210	S109 and ("156"/\$.ccls. or "1254"/\$.ccls. or "425"/\$.ccls. or "222"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/19 15:01
S11 4	13	((("1513342") or ("2349962") or ("2629836") or ("2679954") or ("2684789") or ("2690181") or ("2808967") or ("2848997") or ("2857914") or ("2862496") or ("2869545") or ("2907496") or ("2941694"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/19 15:02
S11 5	12	("3303847").URPN.	USPAT	OR	ON	2006/01/19 15:04
S11 6	215	S108 and (soda or cosmetics or lotion or cream or toothpaste or drink)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 15:07
S11 7	166	S116 not S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/19 15:07
S11 8	1	("6702978").PN.	US-PGPUB; USPAT	OR	OFF	2006/01/19 17:18



## EAST Search History

S11 9	17	("2562523"   "2710987"   "3337666"   "3855380"   "4011968"   "4397808"   "4526821"   "5407629"   "5511686"   "5674448"   "5688570"   "5816451"   "5823391"   "5888598").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/19 17:59
S12 0	3	((("20020126249") or ("20020185788") or ("6239896"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/19 18:00
S12 1	55311	(cut or cutting) with (bottle or tube)	US-PGPUB; USPAT	OR	ON	2006/10/25 14:15
S12 2	35655	(cut or cutting) near5 (bottle or tube)	US-PGPUB; USPAT	OR	ON	2006/10/25 14:15
S12 3	1841	(cut or cutting) near5 (bottle)	US-PGPUB; USPAT	OR	ON	2006/10/25 14:40
S12 4	467	S123 and (soda or pop or drink)	US-PGPUB; USPAT	OR	ON	2006/10/25 14:16
S12 5	5	("3089462"   "4259927"   "4327669"   "4570575").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 14:30
S12 6	17	("4712512").URPN.	USPAT	OR	ON	2006/10/25 14:31
S12 7	27	("1113842"   "1820835"   "2591459"   "2598977"   "2874678"   "2875729"   "2884899"   "3734061"   "3780703"   "3822674"   "4664066"   "4712512"   "4732112"   "4896628"   "5095847"   "5123380"   "5140945"   "5309865"   "5423291"   "5479879").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 14:31
S12 8	18	("0054094"   "0996214"   "1091392"   "2591459"   "2725663"   "3244150"   "3372676"   "3796190"   "4223637"   "D265938"   "D278088").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/25 14:32
S12 9	10	("4732112").URPN.	USPAT	OR	ON	2006/10/25 14:36
S13 0	78	S124 and (feed or feeding or feeder)	USPAT	OR	ON	2006/10/25 14:36
S13 1	2398	(cut or cutting) near5 (bottle)	USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/25 14:40
S13 2	185	S131 and (soda or drink or pop)	USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/25 14:43

## EAST Search History

S13 3	2535	inject\$3 and toothpaste	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/25 14:44
S13 4	988	S133 and mold\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/25 14:44
S13 5	706	inject\$3 with mold\$4 and toothpaste	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/25 15:31
S13 6	3	("2413323").URPN.	USPAT	OR	ON	2006/10/25 15:09
S13 7	13	((("1598201") or ("1606705") or ("1826945") or ("2122874") or ("2177658") or ("2178774") or ("2230188") or ("2288454") or ("2396406") or ("2443053") or ("2449129") or ("2503171") or ("2562523"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/10/25 15:10
S13 8	1	("2801444").URPN.	USPAT	OR	ON	2006/10/25 15:19
S13 9	8	((("1910032") or ("1972087") or ("2309895") or ("2413323") or ("2665826") or ("2667992") or ("2787023") or ("2810934"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/10/25 15:20
S14 0	9	("3012698").URPN.	USPAT	OR	ON	2006/10/25 15:21
S14 1	9	("3012698").URPN.	USPAT	OR	ON	2006/10/25 15:22
S14 2	282	mold\$4 same (expand\$3 or blow\$3) and toothpaste	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/26 13:30
S14 3	98	mold\$4 same (expand\$3 or blow\$3) and toothpaste and (@rlad<"19960606" or @ad<"19960606")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/26 14:32

## EAST Search History

S14 4	0	ep-0374247-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/26 14:32
S14 5	1	ep-374247-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/10/26 14:32